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26 November 1958

MEMORANDUM FOR THE RECORD

SUBJECT: Discussion with [] on the Portable
Hydrogen Generator

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1. On 19 November the undersigned visited []
[] for the purpose of establishing direction to the remainder of the
work on this project. A discussion was held and several points brought
out concerning the need for further work. A cold weather test should
be made and, preceding this test, 1/10 scale tests to determine catalyst-
reaction time relationships. The surging anticipated, upon catalyst
addition with large amounts of catalyst, should be checked and possibly
a metering system used to disperse the catalyst.

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2. It would seem that with all of the testing that has been
accomplished to date that data needed for cold weather operation would
be available. Since this reaction requires many variables and tests are
expensive the previous tests have tied down as many variables as
possible. One of these is reaction time. Thirty minute time was used
and in cold weather this requires too much catalyst. One hour reaction
time for 1/10 scale tests will be used which will reduce the catalyst
amount required.

3. [] will work out a test program and if agreed upon they
will submit a proposal for finishing this work. Three balloons were
ordered at [] and a one man gondola for use with generator tests
and demonstrations.

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ED1390 file - Balloon, Portable Hydrogen Gen.

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